YAMAHA

SPECIAL TOOLS & EQUIPMENT
MARINE

NEW DEALER SET-UP

MARINE NEW DEALER SET UP TOOL SURVEY

SPECIFIC TOOLS	TOOL DESCRIPTION	APPLICATION
68F-85300-01-00	YDIS Yamaha Diagnostic System	HPDI/F115/F200/F225
YB-06052	Shift Rod Arm	40hp ~ 3.1L
YB-06265	Backlash Indicator	All
YB-06440-A	Forward Gear Shim Gauge	LF200/225
YB-06757	TPS Test Harness	2.6L ~3.1L
YB-06766	Fuel Pressure Gauge	OX66/HPDI/F115
YB-06767	Ignition Coil Test Lead	OX66/HPDI
YB-06768	Air Temperature Sensor Test Lead	OX66/HPDI
YB-06769	Air Pressure Sensor Test Lead	OX66/HPDI
YB-06770	Lighting Coil Test Lead	OX66
YB-06775	CDI Tester	OX66
YB-06787	Lighting Coil Test Lead	HPDI
YB-06788	Isolator Wire Test Lead	HPDI
YB-06790	Regulator/Rectifier Test Harness	F115
YB-06791	Pulsar Coil Test Harness	F115
YB-06792	CDI Tester	F115
YB-06793	TPS Test Harness	F115
YB-06795	Indicator Light Test Lead (YB-06444 & YB-06794)	All V6
YB-34432-D	Pinion Gear Shim Kit	3cyl ~ 3.1 L
YB-34446	Forward Gear Shim Kit	3cyl ~ 3.1 L
YB-34468-A	Reverse Gear Shim Kit	3cyl ~ 3.1 L
YB-38831/YB-06771	Charge Coil Test Harness	V6
YB-38832/YB-06772	Pulsar Coil Test Harness	V6
YB-44241	Valve Depressor Tool	F80/100/115
YB-44478	O2 Sensor Wrench	All OX66/HPDI
YB-45544	Cylinder Leakdown/Compression Tester	All 4-Stroke/2-Stroke
YU-39991	Peak Voltage Adaptor	All

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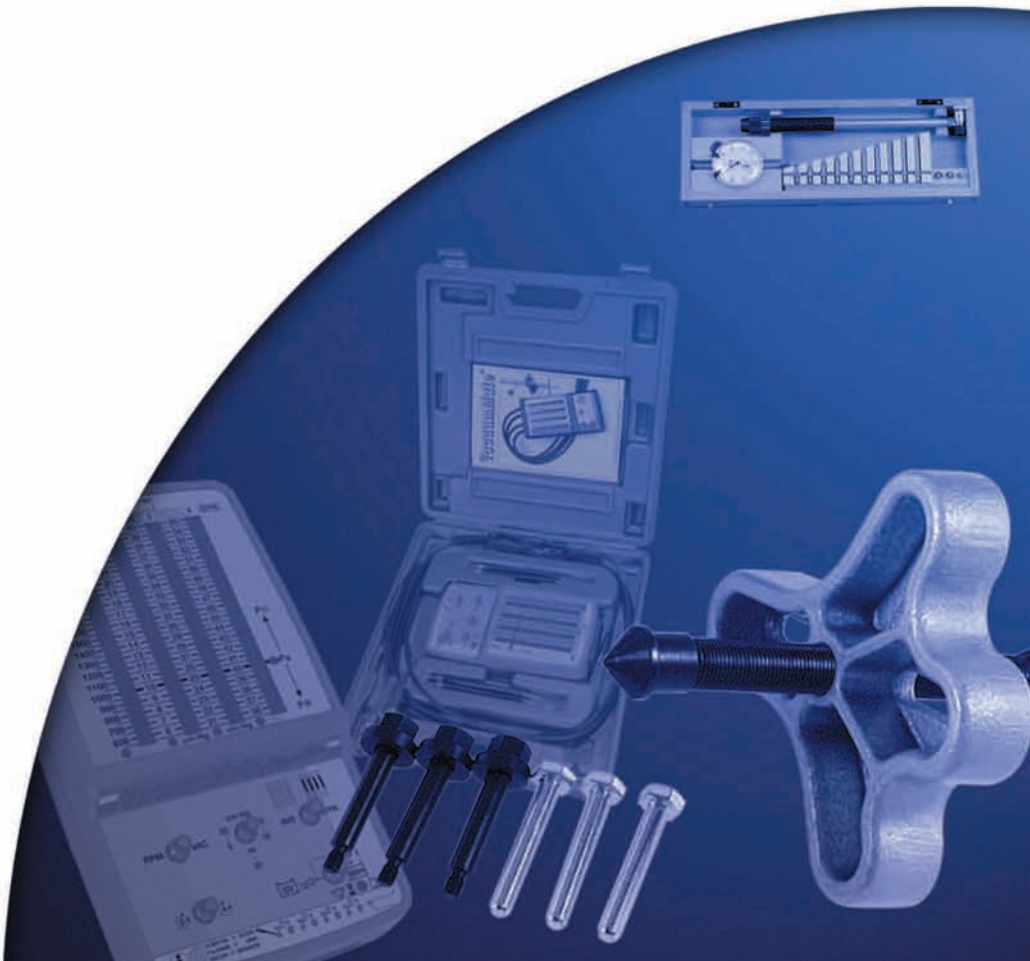
GENERAL TOOLS



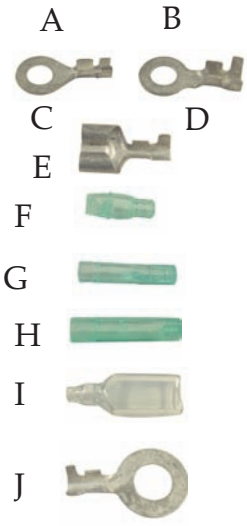
Part#	Description/Use	Application
YB-06071	**Driver Handle (Large)** This heavy-duty handle is used with the appropriate adapters to remove and install seals and bearings.	All Engines
YB-06229	**Driver Handle (Small)** This tool is used in many applications with the appropriate adaptors to remove and install seals and bearings.	All Engines
YB-07003	**Backlash Adjustment Plate** This universal plate bolts to the lower unit and will accept most magnetic dial indicator bases for accurate lower unit backlash checks.	All Engines
YM-01253	**Valve Spring Compressor** This compresses the valve springs for valve removal. There are various adaptors for the different models. Use the appropriate adaptor.	All 4-Strokes
YB-06265	**Backlash Indicator Rod** This rod clamps onto the driveshaft to check backlash. Use it with Backlash Plate **YB-07003** which will accept a Magnetic Dial Indicator Base **YU-34481**.	All Engines
YB-06139	**Flywheel Magneto Holder** This tool holds the flywheel magneto for tightening and loosening of the flywheel nut.	All
YB-06181	**Universal PTT Pressure Gauge** This gauge measures the operating fluid pressure of the power trim and tilt system.	Most Units

Part#	Description/Use	Application
YB-34465	Transom Drill Fixture This tool makes drilling of outboard transom mounting holes quick, accurate and easy. Fixture consists of a steel plate with drill bushings positioned in the correct location, centerline location windows and built-in transom height stop.	40 ~ Up
YB-91044	Neway Valve Seat Kit This valve seat reconditioning kit is specifically designed for 4-strokes outboards. Contains the necessary cutters and guides. Photo not shown.	All 4-Strokes
YB-45544	Cylinder Leakdown/Compression Gauge Kit This multi-use kit was designed specifically for the Yamaha outboard. The 4-strokes require an extender reach to properly mount in the spark plug hole.	All 2 & 4 Strokes
YB-34446	Forward Gear Shim Selecting Tool To determine the correct forward gear shim, it is necessary to accurately measure the forward gear bearing height. This tool gives the technician a means of loading the bearing to manufacturer specifications to determine the shim size. Includes: **YB-34446-1** Base Plate, **YB-34446-3** Compression Spring, **YB-34446-4** No. 1 Press Plate, **YB-34446-5** No. 2 Press Plate, **YB-34446-6** Gauge Pin, **YB-34446-7** Gauge Pin, **YB-34446-8** Gauge Pin, **YB-34446-11** Instruction Card, Hex Nut 500-13 UNC-28 1.06 o.d. x .53 i.d. x .09 thick.	40 ~ Up
YB-34432-D	Pinion Shim Selecting Tool This tool allows the technician to determine the exact pinion gear shim size with a minimum of lower unit overhaul. Includes: **YB-34432-6** Gauge Block, **YB-34432-7** Gauge Block, **YB-34432-8** Gauge Block, **YB-34432-9** Gauge Block, **YB-34432-10** Adapter Plate, **YB-34432-11A** Gauge Base, **YB-34432-19** Gauge Block, **YB-34432-20** Gauge Block, **YB-34432-12** Instruction Sheet, Hex Head Cap Screw M8 x 1.25-6g x 20mm Long (4).	40 ~ Up
YB-39952	PTT Main Valve Leak Tester This tester checks for leaks with the power tilt and trim main valve seat.	Most Models

Part#	Description/Use	Application

YB37103 Terminal Kit — **All**

This kit is specifically designed for marine use with tin-plated connectors and sealed insulators. This kit is invaluable for rigging Yamaha components.



Replacement Connectors

YB-37103-3	Bullet Plug	Qty.50	A
YB-37103-4	Bullet Socket	Qty 50	B
YB-37103-5	Eye Connector	Qty.50	C
YB-37103-6	Eye Connector	Qty.50	D
YB-37103-8	Bullet Plug	Qty.50	E
YB-37103-9	Bullet Socket	Qty.50	F
YB-37103-10	Bullet Socket	Qty.50	G
YB-37103-11	W-socket	Qty.50	H
YB-37103-12	W-socket	Qty.50	I
YB-37103-13	Eye Connector	Qty.50	J

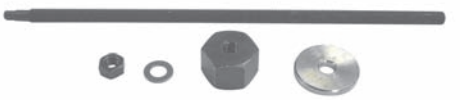
YU-05212 Crimper Photo not shown.

YU-34898 High Current Shunt — **All**

The High Current Shunt is a calibrated resistance wire which is connected in series with the electrical accessory to be tested and plugged into a digital multimeter. The multimeter provides a direct readout of current draw from 0-99 amps (100-199 amps momentary), in 0.1 amp increments. Photo not shown.

YU-03097 Dial Indicator Gauge 0-5mm — **All**

The Dial Indicator Gauge is used for measuring lower unit backlash. It is to be used with Adaptor Plate **YB-07003** and Magnetic Base **YU-34481**.



YB-06029-4 Pinion Gear Bushing Installer — **All**

This tool is used to install the pinion gear bushing up into the driveshaft housing. It may require additional adaptors depending on the model engine.

YU-39991 Peak Voltage Adapter — **All**

The Peak Voltage Adaptor is used with most multi-function DVA motors. It is used with various adaptors to measure voltage readings on an outboard electrical system.

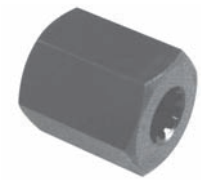
1 1&2 CYLINDER 2-STROKE

Part#	Description/Use	Application
	YB-06104 Connecting Rod Small End Bearing Installer This tool installs the small end needle bearings into the connecting rod.	9, 9, 15

LOWER UNIT TOOLS

	YB-06014 Bearing Installer Forward Gear Bearing It installs the forward gear bearing and the driveshaft oil seals. It is used with Driver Handle **YB-06229.**	2, 4, 5
	YB-06025 Driveshaft Bearing Installer It installs the driveshaft needle bearing. Use it with Driver Handle **YB-06071.**	2, 4, 5
	YB-06027 Driveshaft Bushing Remover This tool drives out the lower driveshaft bushing. Use it with Driver Handle **YB-06229.**	2, 4, 5
	YB-06029 Pinion Gear Bushing Installer This tool installs the pinion gear bushing up into the driveshaft housing	2, 4, 5, 8
	YB-06169 Needle Bearing Installer This tool installs the reverse gear bearing housing oil seal and is used as a guide to install the driveshaft needle bearing with tools **YB-06071** and **YB-06168.** It is also used with Bushing Installer **YB-06029** for driveshaft bushing installation.	2, 4, 5, 8

Part#	Description/Use	Application
	YB-06016 Bearing Installer-Reverse Gear Bearing It installs the reverse gear ball bearing. Use it with Driver Handle **YB-06071**.	**4, 5**
	YB-06023 Oil Seal Installer It installs the double oil seals in the reverse gear housing. Use it with Driver Handle **YB-06071.**	**4, 5**
	YB-06178 Bushing Remover It removes the upper driveshaft bushing. Use it with Slide Hammer **YB-06096.**	**4, 5**
	YB-06167 Bearing Cup Installer It installs the forward gear bearing. Use it with Driver Handle **YB-06071.**	**4, 5, 8**
	YB-06021 Oil Seal Installer Reverse Gear Bearing Housing It installs the oil seals into the reverse gear bearing housing. Use it with Driver Handle **YB-06229.**	**8**
	YB-06015 Bearing Installer-Reverse Gear Bearing It installs the reverse gear ball bearing. Use it with Driver Handle **YB-06071.**	**8, 9.9, 15**
	YB-06028 Driveshaft Bushing Remover and Installer It properly removes and installs the driveshaft bushing. Use it with Driver Handle **YB-06229.**	**8, 9.9, 15**

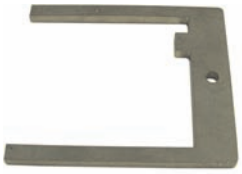
	Part#	Description/Use	Application
	YB-06234	**Bearing Housing Puller** When used with a universal puller (such as **YB-06117**), these hooks will properly remove the reverse gear bearing housing and propeller shaft. Includes: **YB-06234-1** Hook Assembly, **YB-06234-2** Hook Assembly, Heavy Duty Washers (2), and M6 x 1.0 Hex Nuts (2).	8, 9.9, 15
	YB-06081	**Needle Bearing Installer and Remover** It installs and removes the driveshaft needle bearing. Use it with Driver Handle **YB-06071.**	9.9, 15
	YB-06085	**Outer Race Installer (Forward Gear)** It drives in the forward bearing outer race. Use it with Driver Handle **YB-06071.**	9.9, 15
	YB-01619	**Test Propeller** It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. Intended for stationary testing because they do not produce the thrust of a standard propeller.	9.9, 15
	YB-06228	**Driveshaft Holder Pinion Nut Torque Tool** It is used to loosen or torque the pinion nut. It installs onto the driveshaft.	9.9,15
	YB-06230	**Driveshaft Needle Bearing Installer and Remover** Removes and installs the driveshaft needle bearing. Use it with Guide **YB-06231** and Driver Handle **YB-06229**.	9.9,15

Part#	Description/Use	Application
YB-06231	Driveshaft Needle Bearing Installer It properly installs the driveshaft needle bearing. Use it with Pilot **YB-06230** and Driver Handle **YB-06229**.	**9.9, 15**
YB-06022	Oil Seal Installer It installs the double oil seals on the driveshaft. Use it with Driver Handle **YB-06071**.	**9.9, 15**
YB-06078	Pinion Nut Wrench It removes and installs the pinion nut for driveshaft removal.	**9.9, 15**
YB-34232-C	Pinion Height Gauge Block It is required to select the proper pinion gear shims. It eliminates the trial and error method of disassembly and reassembly of the bearings and races repeatedly to determine the correct shim. Includes: **YB-34232-1** Bearing Plug Assembly, YB-34232-2 Shim (Gauge Pinion Height), **YB-34232-4** Bearing Gauge, **YB-34232-5** Instruction Sheet	**9.9, 15**

1

1&2 CYLINDER 4-STROKE

	Part#	Description/Use	Application
	YB-06308	Valve Guide Installer It installs the valve guides. It sets the proper depth for the valve guide. Use it with Valve Guide Remover **YM-01122.**	F9.9
	YM-01122	Valve Guide Remover / Installer It properly removes the valve guides (5.5mm in diameter). Also use it with Valve Guide Installer **YB-06308** to install the valve guides.	F9.9
	YM-01196	Valve Guide Reamer It is sized correctly for the 9.9 4-Stroke (5.5mm in diameter). It is used to clean out the valve guide of any combustion deposits.	F9.9
	YM-08035-A	Valve Adjuster It includes 3 & 4mm hex. It is designed to help with critical valve clearance adjustments.	F9.9
	YB-06868	Pulsar Coil Test Harness It is used with a DVA meter and Peak Voltage Adaptor **YU-39991** to properly test pulser coil voltage output.	F25/T25
	YM-04015	Valve Guide Installer It installs the valve guides. It sets the proper depth for the valve guide. Use it with Valve Guide Remover **YM-01122.**	F25/T25
	YM-01122	Valve Guide Remover It properly removes the valve guides (5.5mm in diameter). It is also used with the Valve Guide Installer **YM-04015.**	F25/T25
	YM-01196	Valve Guide Reamer It is sized correctly for the 9.9 4-Stroke (5.5mm in diameter). It is used to clean out the valve guide of any combustion deposits.	F25/T25

	Part#	Description/Use	Application
	YB-01619	Test Propeller It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	F6, F8, F9.9, F15
	YB-06298	Driveshaft Needle Bearing Installer/Remover The attachment is used for the removal and installation of the driveshaft lower needle bearing. Use it with Driver Handle **YB-06229**.	F9.9
	YB-06299	Pinion Bearing Shim Selector It is used to aid in shim selection for the pinion gear.	F9.9
	YB-06344	Forward Gear Shim Gauge This gauge is used to help get an accurate shim height for the forward gear.	F25
	YB-39799	Reverse Gear Shim Gauge This gauge is used to help get an accurate shim height for the reverse gear.	F25
	YB-06234	Bearing Housing Puller The two puller legs are required to remove the bearing housing. The Universal Puller **YB-06117** is also required.	F25/T25
	YB-06168	Oil Seal Installer It is used to install the propeller shaft seals in the bearing housing. It must be used with Driver Handle **YB-06071**.	F25/T25
	YB-06079-A	Driveshaft Holder The holder is specially designed to hold the driveshaft while removing or reinstalling the pinion gear retaining nut.	F25/T25

	Part#	Description/Use	Application
	YB-06022	Bearing Housing Oil Sealer Installer It is used to install the oil seals in the upper driveshaft bearing housing. To be used with Driver Handle **YB-06229**.	F25
	YB-06082	Bearing Housing/Driveshaft Bearing Remover/Installer It is used to remove and install propeller shaft bearing housing inner bearing and driveshaft bearing. To be used with Driver Handle **YB-06229**.	F25
	YB-06276-B	Reverse/Forward Gear Bearing Installer The attachment is required to properly install the forward and reverse gear ball bearing assembly. It also requires the use of Driver Handle **YB-06071**.	F25/T25
	YB-06231	Driveshaft Bearing Depth Plate Required for setting proper lower driveshaft bearing depth. It also requires the use of Driver Handle **YB-06029** and Needle Bearing Attachment **YB-06082**.	F25
	YB-06085	Forward Gear Outer Race Installer It is used to install shims and outer bearing race for the forward gear. It also requires the use of Driver Handle **YB-06071**.	F25
	YB-06112	Bearing Housing Bearing/Oil Seal Remover This adaptor is used to remove the propeller shaft bearing housing seals and bearing. It also requires the use of the Driver Handle **YB-06071**.	T25

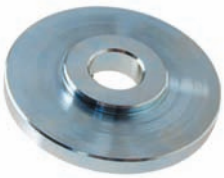
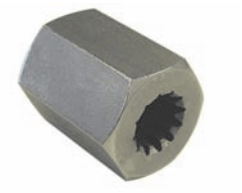
Part#	Description/Use	Application
	YB-06111 Bearing Housing Bearing/Oil Seal Installer This adaptor is used to install the propeller shaft bearing housing bearing assembly. It also requires the use of the Driver Handle **YB-06071**.	**T25**
	YB-06270-A Forward Gear Bearing Installer This adaptor is used to install the forward gear tapered roller bearing.	**T25**
	YB-06063 Driveshaft Bearing Installer/Remover This adaptor is used to install or remove the driveshaft lower bearing. For installation, Driver Handle **YB-06071** and Driveshaft Bearing Depth Plate **YB-34473** are required. For removal, Driver Handle **YB-0671** is required.	**T25**
	YB-41446 Forward Gear Outer Race Installer It is used with Driver Handle **YB-06071** to properly install forward gear shims and outer bearing race.	**T25**
	YB-34473 Driveshaft Bearing Depth Plate The depth plate is used with Driveshaft Bearing Installer/Remover **YB-06063** and Driver Handle **YB-06071** to properly set the driveshaft lower bearing depth.	**T25**
	YB-06110 Driveshaft Outer Race Installer This adaptor is used to install the driveshaft upper bearing outer race and shims. Use it with Driver Handle **YB-06071**.	**T25**

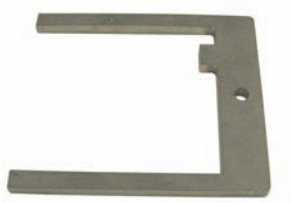
Part#	Description/Use	Application
	YB-06175-2B PTT Cylinder Wrench It is used to remove or install trim and tilt cylinder end caps.	**3.3L**

3 CYLINDER 2-STROKE

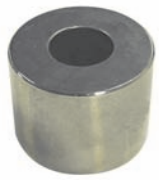
	Part#	Description/Use	Application
	YB-06107	Connecting Rod Small End Bearing Installer It installs the small end needle bearings into the connecting rod.	30
	YB-06346	Needle Bearing Remover and Installer It is used to remove and install the driveshaft needle bearing. Use it with Driver Handle **YB-06229**.	30
	YB-06349	Crankshaft Seal Installer It is used to install lower crankshaft seal. Use it with Driver Handle **YB-06071**.	30
	YB-06105	Connecting Rod Small End Bearing Installer It installs the small end needle bearings into the connecting rod.	30
	YB-06106	Connecting Rod Small End Bearing Installer It installs the small end needle bearings into the connecting rod.	40, 50
	YB-06287	Connecting Rod Small End Bearing Installer It installs the small end needle bearings into the connecting rod.	60, 70
	YB-06443	Peak Voltage Test Harness (3 Pin) It is used along with **YU-39991** Peak Voltage Adaptor and **YU-34899-A** Digital Multimeter to check peak voltage output. Photo not shown.	

Part#	Description/Use	Application
	YB-01621 Test Propeller It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	25, 30
	YB-06021 Oil Seal Installer Reverse Gear Bearing Housing It installs the oil seals into the reverse gear bearing housing. Use it with Driver Handle **YB-06229**.	25, 30
	YB-06079-A Driveshaft Holder Pinion Nut Torque Tool It installs onto the driveshaft. Tighten it with Pinion Nut Wrench **YB-06078** to the proper specification.	30
	YB-06081 Needle Bearing Installer and Remover It installs and removes the driveshaft needle bearing. Use it with Driver Handle **YB-06071**.	25, 30
	YB-06082 Needle Bearing Remover It installs and removes the needle bearing from the lower unit bearing housing. Use it with Driver Handle **YB-06299**.	25, 30
	YB-06085 Outer Race Installer (Forward Gear) It drives in the forward bearing outer race. Use it with Driver Handle **YB-06071**.	25, 30
	YB-06078 Pinion Nut Wrench It removes and installs the pinion nut for driveshaft removal.	25, 30

Part#	Description/Use	Application
	YB-06075 Gland Nut Wrench It removes and installs the lower gland nuts. It is designed specifically for Yamaha motors.	25, 30
	YB-06167 Bearing Cup Installer It installs the driveshaft bearing cup on 25 and 30 engines. It installs the forward gear bearing on 4, 5, and 8 engines. Use it with Driver Handle **YB-06071**.	25, 30
	YB-06168 Bearing Seal Installer It installs the reverse gear housing oil seals. Use it with Driver Handle **YB-06071**.	25, 30
	**YB-06169** Needle Bearing Installer It installs the reverse gear bearing housing oil seal and is used as a guide to install the driveshaft needle bearing with tools **YB-06071** and **YB-06168.** It is also used with Bushing Installer **YB-06029** for driveshaft bushing installation.	25, 30
	YB-06234 Bearing Housing Puller When used with a universal puller (such as **YB-06117**), these hooks will properly remove the reverse gear bearing housing and propeller shaft. Includes: **YB-06234-1** Hook Assembly, **YB-06234-2** Hook Assembly, Heavy Duty Washers (2), and M6 x 1.0 Hex Nuts (2).	25, 30
	**YB-06368** Driveshaft Holder Pinion Nut Torque Tool It is used to loosen or torque the pinion nut. It installs onto the driveshaft.	25

Part#	Description/Use	Application
YB-06400	Reverse Gear Shim Gauge It is used for selecting proper reverse gear shims.	**25, 1988 ~ up**
YB-34232-C	Pinion Height Gauge Block It is required to select the proper pinion, forward gear, and reverse gear shims. It eliminates the trial and error method of disassembly and reassembly of the bearings and races repeatedly to determine the correct shim. Includes: **YB-34232-1** Bearing Plug Assembly, **YB-34232-2** Shim (Gauge Pinion Height), **YB-34232-4** Bearing Gauge, **YB-34232-5** Instruction Sheet.	**25, 30**
YB-39799 	Reverse Gear Shim Gauge It is used for selecting the proper reverse gear shims.	**C30 1993 ~up**
YB-06344	Shim Gauge It is used for selecting proper forward and reverse gear shims.	**30**
YB-34432-15	Adapter and Clamp It is used with Pinion Shim Seal Selecting Tool **YB-34432-D.**	**30**

	Part#	Description/Use	Application
	YB-06348	Driveshaft Seal Installer It is used to install driveshaft seals. Use it with Driver Handle **YB-06229**.	30
	YB-06347	Bearing Inner Guide Plate It is used with **YB-06346** to adjust proper driveshaft bearing depth. Use it with Driver Handle **YB-06229**.	30
	YB-06345	Forward Gear Bearing Installer It is used to install forward gear bearing. Also use Driver Handle **YB-06229**.	30
	YB-01611	Test Propeller It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	40, 50
	YB-06049	Driveshaft Holder-Pinion Nut Torque Tool It is used to loosen or torque the pinion nut. It installs onto the driveshaft.	40, 50
	YB-06110	Driveshaft Taper Roller Bearing Cup Installer It installs the bearing cup for the driveshaft taper roller bearing. Use it with Drive Handle **YB-06071**.	40, 50

	Part#	Description/Use	Application
	YB-06111	Needle Bearing Installer It installs the reverse gear housing needle bearing.	**40, 50**
	YB-06112	Bearing Housing Needle Bearing Remover It is required to remove the needle bearing from the reverse gear housing.	**40, 50**
	YB-06270-A	Reverse and Forward Gear Bearing Installer It installs the reverse gear ball bearing without damaging the bearing. It also installs the forward gear into the forward gear bearing.	**40, 50**
	**YB-34474**	Driveshaft Needle Bearing Depth Stop It insures the driveshaft needle bearing is installed to its proper depth. Used with **YB-06155** and Drive Handle **YB-06071**.	**40, 50**
	YB-06277-A	Forward Gear Bearing Cup Installer It installs the forward gear bearing cup. Use with Drive Handle **YB-06071**.	**40, 50**
	YB-34468-A	Reverse Gear Shim Gauge Set It determines the proper reverse gear shim. Place on the washer surface of the bearing housing, then measure the clearance between the tool and top of the teeth on the gear. Includes: **YB-34468-1** (150, 200), **YB-34468-2** (115, 130, 220, 225), **YB-34468-3** (90, CV85), **YB-34468-4** (40, 50, CV40, CV55), **YB-34468-5** (60, 70), **YB-34468-6A** (P150)	**40 ~ 90**

	Part#	Description/Use	Application
	YB-06269	Water Pump Housing Bearing and Seal Installer It properly installs the water pump seal on 70 and 90 models. It installs the rear bearing housing seal on 40, 50, 70, and 90 models.	40 ~ 90
	YB-41446	Bearing Installer It is used to install forward gear bearing outer cup. Use it with Driver Handle **YB-06071**.	50 1995
	YB-01620	Test Propeller It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	60, 70, 75, 85, 90
	YB-06063	Driveshaft Needle Bearing Remover and Installer It removes and installs the driveshaft needle bearing. Use it with **YB-34473**.	70, 75, 80, 85, 90
	YB-06151	Driveshaft Holder-Pinion Nut Torque Tool It is used to loosen or torque the pinion nut. It installs onto the driveshaft.	75, 80, 85, 90
	YB-06152	Bearing Housing Needle Bearing Installer It installs the reverse gear housing needle bearing.	70, 75, 80, 85, 90
	YB-06153	Bearing Housing Needle Bearing Remover It is required to remove the needle bearing from the reverse gear housing.	70, 75, 80, 85, 90

	Part#	Description/Use	Application
	YB-06155	Driveshaft Needle Bearing Remover and Installer It removes and installs the driveshaft needle bearing. Use it with **YB-34474**.	70, 75, 80, 85, 90
	YB-06156	Driveshaft Taper Roller Bearing Cup Installer It installs the bearing cup for the driveshaft taper roller bearing. Use it with Driver Handle **YB-06071**.	70, 75, 80, 85, 90
	YB-34447	Gland Nut Wrench It removes and installs the lower gland nut.	70, 90
	YB-34473	Driveshaft Needle Bearing Depth Stop It insures the driveshaft needle bearing is installed to its proper depth. Use it with Driver Handle **YB-06063**.	70, 90, C55
	YB-06276-B	Forward Gear Bearing Cup Installer Installs the forward gear bearing cup. Use with Driver Handle **YB-06071**.	70, 90

POWER TRIM & TILT/MIDSECTION TOOLS

	Part#	Description/Use	Application
	YB-34466	Power Tilt Cylinder Cap Wrench It loosens and tightens the power tilt cylinder cap.	C40, 50
	YB-06175-2B	Power Tilt Cylinder Cap Wrench It loosens and tightens the power tilt cylinder cap.	40 - 90

3 CYLINDER 4-STROKE

Part#	Description/Use	Application
YB-06868	Pulser Coil Test Harness This test harness is used with a DVA meter and Peak Voltage Adaptor **YU-39991**, to measure Pulser Coil Voltage Output.	F30, F40
YM-04019	Valve Spring Compressor It is used with the valve spring compressor with the correct attachment to depress the valve spring retainer so the valve cotters may be removed or installed.	F30 ~ F40
YB-06320	Valve Attachment Use this attachment with the Valve Spring Compressor **YB-04019** to depress the valve spring retainer so the valve cotters may be removed or installed.	F30 ~ F40
YB-06801	Valve Guide Remover It is used to remove the valve guides from the cylinder head.	F30 ~ F40
YM-04015	Valve Guide Installer It is used to properly install the valve guides into the cylinder head.	F30 ~ F40
YM-04066	Valve Guide Reamer It is used to properly remove any combustion deposits in the valve guide.	F30 ~ F40
YB-06867	Test Harness, CDI Output Use it with a DVA meter and the Peak Voltage Adaptor **YU-39991**, to measure the output voltage or the CDI unit.	F30, F40

Part#	Description/Use	Application
	YB-01621 Test Propeller It is correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	F30, F40
	YB-06079 Driveshaft Holder It is used to hold the driveshaft to allow for pinion nut removal or installation.	F30, F40
	YB-06112 Bearing Housing Bearing/Oil Seal Remover When used with Driver Handle **YB-06071**, this adaptor is designed to remove the propeller shaft bearing carrier bearing and seals.	F30, F40
	YB-06111 Bearing Housing Bearing/Installer When used with Driver Handle **YB-06071**, this attachment will properly install the propeller shaft bearing housing bearing.	F30, F40
	YB-06168 Oil Seal Installer When used with Driver Handle **YB-06071**, this attachment will properly install the propeller shaft bearing housing seals.	F30, F40
	YB-06276-A Reverse Gear Bearing Installer When used with Driver Handle **YB-06071**, this attachment will properly install the roller bearing on the reverse gear.	F30, F40
	YB-06270-A Forward Gear Bearing Installer This installer is designed to properly install the forward gear tapered roller bearing.	F30, F40

	Part#	Description/Use	Application
	YB-06063	Driveshaft Needle Bearing Remover/Installer When used with Driver Handle **YB-06071**, this attachment will remove the lower driveshaft bearing. For installation of the bearing, Driveshaft Bearing Depth Plate **YB-34473** is required.	F30, F40
	YB-41446	Forward Gear Outer Race Installer When used with Driver Handle **YB-06071**, this is used to install the forward gear shims and outer race in the gear housing.	F30, F40
	YB-34473	Driveshaft Bearing Depth Plate It is used with Driveshaft Needle Bearing Remover/Installer **YB-06063** and Driver Handle **YB-07071**. This plate properly sets the driveshaft lower bearing depth.	F30, F40
	YB-06110	Bearing/Oil Seal Depth Plate It is used with Driver Handle **YB-06071**. This adaptor properly installs the pinion shims and upper bearing outer race.	F30, F40

POWER TRIM & TILT/MIDSECTION TOOLS

	Part#	Description/Use	Application
	YB-06175-2B	Trim Cylinder Wrench This wrench is specially designed to remove and install the trim cylinder end cap.	F25

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4&6 CYLINDER 2-STROKE

	Part#	Description/Use	Application
	YB-06240	Connecting Rod Small End Bearing Installer It installs the small end needle bearings into the connecting rod.	V4 1984 ~ 92, V6 1984 ~ 91
	YB-06202	Engine Lifting Hook It allows easy lifting of the engine. It properly supports all Yamaha V-4 and V-6 engines and attaches to the crankshaft.	V4, 2.6L
	YB-06205	Crankshaft Bearing Installer It removes and installs the crankshaft upper roller bearing. It it used with a press to remove the bearing and has a bearing pilot to install the bearing to the proper depth.	V4, 2.6L
	YB-06244	Crankshaft Upper and Lower Seal Installer It properly installs the upper and lower crankhaft oil seals. Use it with Driver Handle **YB-06071**.	V4, 2.6L 3.1L, 3.3L
	YB-37462	Standard 90mm Piston Ring Installer This specially designed ring compressor allows easy piston installation by just pushing the piston into the taper cup while the cup is against the cylinder block.	V4, V6, 2.6L, 3.1L
	YB-37463	Oversize 90mm Piston Ring Installer This specially designed oversize ring compressor allows easy piston installation by just pushing the piston into the taper cup while the cup is against the cylinder block.	V4, V6, 2.6L, 3.1L

Part#	Description/Use	Application
	YB-06870 Lighting Coil Test Lead It is used with a DVA meter to measure the lighting coil output voltage.	V4 ~ V6 2.6L, OX66
	YB-06283 Throttle Position Sensor Test Lead Use it with a digital voltmeter (such as **YU-34899-A**) to measure the voltage output for throttle position sensor adjustment. Note: Voltmeter must read output as low as 0.41 volts.	2.6L, 220, 225, 1994 ~ 89
	YB-06857 Peak Voltage Test Harness (3 Pin) It is used along with **YU-39991** Peak Voltage Adaptor and **YU-34899-A** Digital Multimeter to check peak voltage output.	
	YB-06771 Charge Coil Test Harness-OX66 It is used with DVA meter and Peak Voltage Adaptor **YB-39991** to measure charger coil output voltage.	V6, 1990 & up OX66
	YB-06772 Pulser Coil Test Harness It is used with a DVA meter and Peak Voltage Adaptor **YB-39991** to measure pulser coil output voltage.	V6, 1990 & up OX66
	YB-06795 Diagnostic Test Lead Updated YB-06444 The indicator light is used to identify an engine self-diagnostic warning code. Consists of **YB-06444** & **YB-06794**	2.6L, 3.1L, 3.3L

	Part#	Description/Use	Application
	YB-44478	O2 Sensor Wrench This opened end wrench is specifically designed to remove or tighten the O2 sensor.	OX66, 2.6L HPDI
	YB-06766	Fuel Pressure Gauge This gauge is used to measure VST fuel pressure.	OX66, HPDI
	YB-06867	Crank Position Sensor Test Harness It is used with a DVA meter. This harness allows for the measurement of output voltage.	OX66, HPDI
	YB-06868	Air Temp Sensor Tester It is used with a DVA meter. This harness allows for the measurement of output voltage.	OX66, HPDI
	YB-06869	Air Pressure Sensor Tester It is used with a DVA meter. This harness allows for the measurement of output voltage.	OX66, HPDI
	YB-06879	Pulsar Coil Test Harness It is used with a DVA meter and the Peak Voltage Adaptor **YB-39991**. This test harness is used to measure output voltage.	HPDI
	YB-06888	Lighting Coil Test Lead, Isolator Lead It is used with a DVA meter. This test harness is used to measure output voltage.	HPDI

Part#	Description/Use	Application
YB-06887	Lighting Coil, Rectifier/Regulator Test Lead It is used with a DVA meter for measurement of output voltage.	**HPDI**
YB-06861	Injector Test Lead It is used with a DVA meter to measure output voltage. photo not shown.	**F115 ~ F225**
YS-01880-A	Primary Sheave Holder It is used to hold the primary high pressure fuel pump pulley for removal or installation of the pulley mounting nut.	**HPDI**
YB-06442	Engine Lifting Hook It threads onto the crankshaft threads to allow for lifting.	**3.1L**
YB-06016	Bearing Installer It is used with Driver Handle **YB-06071** to properly install the lower crankshaft seal.	**3.3L**

LOWER UNIT TOOLS

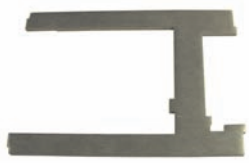
YB-01624	Test Propeller It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	**V4 except L130**
YB-01631	Test Propeller It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	**L130**

Part#	Description/Use	Application
	YB-06199-A Bearing Cup Installer It installs the forward gear bearing outer race. Use it with Driver Handle **YB-06071**.	V4
	YB-06200 Forward Gear Needle Bearing and Tapered Roller Bearing Installer It installs the needle bearing into the forward gear and the roller bearing onto the gear hub. Use it with Driver Handle **YB-06071**.	V4
	YB-06194 Driveshaft Needle Bearing Installer and Remover It removes and installs the lower driveshaft needle bearing. Use it with Driver Handle **YB-06071** and Depth Plate **YB-06213**.	V4, V6
	YB-06195-A Oil Seal Installer It installs both oil seals properly into the reverse gear bearing housing. Use it with Driver Handle **YB-06071**.	V4, V6
	YB-06196 Driveshaft Needle Bearing Installer and Remover It removes and installs the needle bearing from the driveshaft and propshaft bearing housing. Use it with Driver Handle **YB-06071**.	V4, V6
	YB-34447 Gland Nut Wrench It removes and installs the bearing housing gland nut.	V4, V6
	YB-06335 Propeller Shaft and Bearing Housing Remover For use with Slide Hammer **YB-06096**, threads onto the propeller shaft.	V4, V6

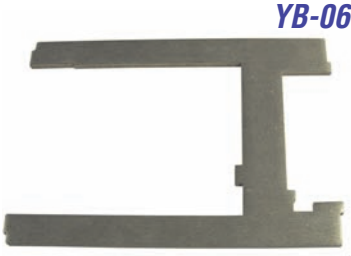
Part#	Description/Use	Application
	YB-06213 Needle Bearing Guide Plate It properly installs the driveshaft needle bearing squarely into the housing bore. Use it with Bearing Driver **YB-06194** and Driver Handle **YB-06071**.	V4, V6
	YB-06376 Needle Bearing Installer Use it with Driver Handle **YB-06071** to install the reverse gear bearing into spacer.	Counter Rotation V4
	YB-06377 Space Installer Use it with Driver Handle **YB-06071** to properly install reverse gear spacer.	Counter Rotation V4
	YB-06378 Needle Bearing Installer Use it with Driver Handle **YB-06071** to properly install forward gear bearing.	Counter Rotation V4
	YB-06201 Driveshaft Holder-Pinion Nut Torque Tool Use it to loosen or torque the pinion nut. It installs onto the driveshaft.	V4, V6, 2.6L, 3.1L, 3.3L
	YB-06207 Bearing Housing Puller When used with a universal puller (such as **YB-06117**), these hooks will properly remove the reverse gear bearing housing and propeller shaft. Includes: **YB-06207-1** Hook Assembly, **YB-06207-2** Hook Assembly, Heavy Duty Washers (2), and M8 x 1.25 Hex Nuts (2).	V4, V6, 2.6L, 3.1L, 3.3L

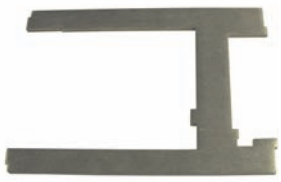
Part#	Description/Use	Application
YB-06052	Shift Rod Push Arm It shifts the lower unit into forward, neutral or reverse when the lower unit has been removed from the engine.	2.6L, 3.1L, 3.3L
YB-06246	Driveshaft Bearing Installer It drives the driveshaft needle bearing into its proper location. Use it with Driver Handle **YB-06071**.	V6
YB-06258	Forward Bearing Race Installer It installs the forward gear bearing outer race. Use it with Driver Handle **YB-06071**.	V6
YB-06261	Forward Gear Needle Bearing Installer It installs the forward gear needle bearings. It is designed to install both needle bearings to their proper depth. Use with Driver Handle **YB-06071**.	V6
YB-34449-A	Driveshaft Puller It slides over the driveshaft and locks against the driveshaft key. Thread in Slide Hammer **YB-06096** and remove the driveshaft from the pinion gear.	V6
YB-01626	Test Propeller It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	V-6 except L 2.6L & L 3.1L,
YB-34453	Forward Gear & Tapered Roller Bearing Separator It separates the forward gear from the forward gear bearing without damaging the gear or bearing. It is used with a suitable pilot and a press.	V-6 except D150/ DX150

Part#	Description/Use	Application
	YB-34432-97 Driveshaft Shim Select Adapter It is used to help properly select the correct shims for the pinion gear.	D150, DX150
	YB-42223 Gland Nut Wrench It is designed to properly remove and install the bearing housing gland nut.	D150, DX150
	YB-42224 Pinion Nut Wrench It is designed to properly hold the pinion nut for removal or installation.	D150, DX150
	YB-42225 Propshaft Seal/Bearing Installer It is specifically designed for outer propshaft seal and bearing installation. Use it with Driver Handle **YB-06071**.	D150, DX150
	YB-42227 Prop End Seal Bearing Driver It is used with Driver Handle **YB-06071** for installing bearing housing seals.	D150, DX150
	YB-42229 Bearing Driver Use it with Driver Handle **YB-06071** to install the forward bearing in the bearing housing.	D150, DX150
	YB-06336 Bearing Race Installer Use it with Driver Handle **YB-06071** to install the reverse gear outer bearing in the bearing race and shims.	Counter Rotation 2.6L

	Part#	Description/Use	Application
	YB-06337	Needle Bearing Installer It is used to install the forward gear bearing.	Counter Rotation 2.6L
	YB-06338	Shim Gauge It is used to help properly select forward and reverse gear shims.	Counter Rotation 2.6L
	YB-06339	Shim Gauge It is used to help properly select forward and reverse gear shims.	Counter Rotation 2.6L
	YB-06436	Bearing Separator It is designed to help remove the bearing from the forward gear.	3.1L
	YB-06437	Bushing Remover/Install It is used with Driver Handle **YB-06071** to remove/install the forward gear bushing. photo not shown.	3.1L
	YB-06433	Stopper Ring It is used as a depth plate for proper forward gear needle bearing installation.	3.1L
	YB-06439	Shim Gauge It is used to help properly select the shim height or the forward gear.	3.1L (RH)

	Part#	Description/Use	Application
	YB-06440	Shim Gauge It is used to properly measure the forward gear to determine the accurate shims.	3.1L, LZ250 3.3L, (LH)
	YB-06048	Gland Nut Wrench It removes and installs lower gland nuts. It is designed specifically for Yamaha motors. It is manufactured from high strength alloy steel and heat-treated for strength and durability.	Counter Rotation 3.1L
	YB-06430	Forward Bearing Installer Use it with Driver Handle **YB-06071** to install the reverse gear bearing in the bearing housing.	3.1L, 3.3L
	YB-06431	Taper Roller Bearing Installer Use it with Driver Handle **YB-06071** to properly install the forward gear outer bearing race.	3.1L, 3.3L
	YB-06434	Needle Bearing Installer Use it with Driver Handle **YB-06071** to remove/install the needle bearing into reverse gear retainer.	3.1L, 3.3L (LH)
	YB-06435	Needle Bearing Installer Use it with the Needle Bearing Installer/Remover **YB-06213** and Pinion Gear Bushing Installer **YB-06029-4** to properly install the outer race of the lower driveshaft bearing.	3.1L, 3.3L
	YB-06441	Pinion Gear Shim Gauge It is used to determine shim measurement of the pinion gear.	3.1L, Z250 3.3L

Part#	Description/Use	Application
YB-41707	Reverse Gear Bearing Remover Use it with Universal Puller **YB-06117**. It is used to remove the reverse gear retainer.	Counter Rotation 3.1L, 3.3L
YB-06168	Oil Seal Installer Use it with Driver Handle **YB-06071** to remove propeller shaft bearing housing bearing and seals.	3.3L
YB-06085	Oil Seal Installer It is used with Driver Handle **YB-06071** to install seals for the driveshaft housing and install propeller shaft bearing housing seals.	3.1L, 3.3L
YB-06109	Bearing Outer Race Attachment It is used to properly install the reverse gear into the bearing housing.	3.3L
YB-06432	Roller Bearing Installer/Remover Use it with Driver Handle **YB-06071** to remove and install driveshaft lower bearing.	3.3L
YB-06276-B	Forward Gear Bearing Cup Installer It is used to install the taper roller bearing onto the forward gear.	3.3L
 YB-06439	Forward & Reverse Gear Shim Gauge It is used for measuring proper shim height of the forward and reverse gears.	Z250, 3.3L

	Part#	Description/Use	Application
	YB-06578	Gland Nut Wrench It is used to remove the porpeller shaft bearing housing gland nut.	Z250, 3.3L
	YB-06440-A	Shim Gauge It is used to properly measure the forward gear to determine the accurate shims.	3.1L, LZ250 3.3L (LH)
	YB-06441-3	Pinion Gear Shim Tool It is used to properly measure the pinion gear shim height.	VZ225/250 3.3L
	YB-06439-2	Forward & Reverse Gear Shim Tool The shim gauge is designed to help in the selection for the forward and reverse gears.	VZ225/250 3.3L

POWER TRIM & TILT/MIDSECTION TOOLS

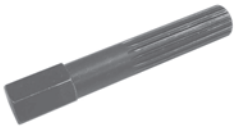
	YB-06548	TNT Wrench, Showa System It is specially designed to remove the end caps on the tilt cylinders.	1997 & Up, V4, V6 2.6L, VX200/ 225 3.1L
	YB-06175-C	TNT Wrench It is required to remove the nut on the trim and tilt cylinder. Both tools incorporate a 3/8" square drive for use with a torque wrench for proper installation. The trim Wrench fits all trim and tilt cylinders. The tilt Wrench fits all trim and tilt cylinders (except 64E pumps). Includes: Trim Wrench **YB-06175-1A**, Tilt Wrench **YB-06175-2B.**	V4, V6 2.6L, Except Showa V4 ~ V6 2.6L
	YB-06776	PTT Pressure Gauge It is used to measure the PTT system pressure.	1997 & Up, V4, V6 2.6L, VX200/ 225

	Part#	Description/Use	Application
	YB-06569	Tilt Rod Wrench Use it with the PTT Piston Vise Tool **YB-06572** to the remove top pin eyelet. Enables end cap servicability. Photo not shown	F200/225
	YB-06548	Tilt Wrench, Showa System It is specially designed to remove the end caps on the tilt cylinders.	3.1L
	YB-06544	PTT Cylinder End Cap It is used to remove or install the PTT cylinder end caps. Photo not shown.	F75 ~ F100
	YB-06572	PTT Piston Vise Tool Use it with Tilt Rod Wrench **YB-06569** to remove the tilt cylinder pin eye. This enables tilt cylinder end cap service.	3.1L 2002 & UP, 3.3L
	YB-06581	PTT Pressure Gauge Adapter It is used with the PTT Pressure Gauge **YB-06580** to measure operational pressure of the PTT system.	3.1L, 3.3L
	YB-06580	PTT Pressure Gauge Use it with Adaptor **YB-06581** to measure operational peresure of the PTT system. Photo not shown.	3.1L, 3.3L
	YB-06175-2B	PTT Cylinder Wrench It is used to remove or install trim and tilt cylinder end caps.	3.3L

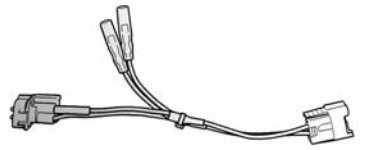
4

4&6 CYLINDER 4-STROKE

Part#	Description/Use	Application
	YB-06770 Lighting Coil Test Lead Use it with a DVA meter and Peak Voltage Adapter **YB-39991** to measure voltage output.	F40-4~ F225
	YB-06767 Test Lead, Crank Position Sensor, ECU Output Use it with a DVA meter and Peak Voltage Adapter **YB-39991** to measure voltage output.	F40-4~ F/T60
	YM-01122 Valve Guide Remover It is specifically designed to remove the valve guide from the cylinder head.	F40-4 ~ F/T50
	YM-01196 Valve Guide Reamer It is designed to clean out combustion deposits from inside the valve guide.	F40-4 ~ F/T50
	YW-06355 Crankshaft Holder It is used to hold or rotate the crankshaft when working on the engine.	F40-4 ~ F/T50
	YB-06871 Rectifier/Regulator Test Harness It is used with a DVA meter to test the voltage output.	F/T50 2001 ~ up, F60
	YB-06801 Valve Guide Remover It is specifically designed to remove the valve guide from the cylinder head.	F/T50 2001 ~ up, F60

Part#	Description/Use	Application
	**YB-06562** Crankshaft Holder It is used to hold or rotate the crankshaft while performing engine work.	F/T50 2001 ~ up, F60
	YB-06554 Valve Spring Compressor Adapter It is used with Valve Compressor **YM-01253**. This adapter allows for spring retainer compressor to remove or install the valve cotters.	F40-4 ~ F115
	YM-04066 Valve Guide Reamer It is required to clean combustion deposits from the internal bore of the valve guide.	F75 ~ F115
	YB-06872 Pulsar Coil Test Lead It is used with a DVA meter and the Peak Voltage Adapter **YB-39991** to measure voltage output.	F75 ~ F100
	YB-06552 Crankshaft Holder It is used to hold or rotate the crankshaft while performing engine work.	F75 ~ F115
	YB-06857 Throttle Position Sensor Test Lead It is used with a DVA meter to measure and adjust the throttle position voltage. **Note:** Meter must read 0.40 volts.	
	YB-45775 Timing Belt Driven Gear Socket Socket depth is specifically designed to remove and install the timing belt driven spacer from the crankshaft.	F75~ F115

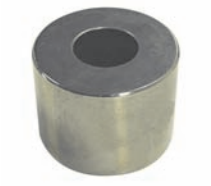
Part#	Description/Use	Application
YB-06791	Pulser Coil Test Lead It is used with a DVA meter and the Peak Voltage Adapter **YB-39991** to measure voltage output.	F115
YM-04064-A	Valve Guide Remover/Installer It is specifically designed to remove and install the valve guides from the cylinder head.	F115
YB-06790	Lighting Coil Test Lead It is used with a DVA meter and the Peak Voltage Adapter **YB-39991** to measure voltage output.	F115
YB-06795	Diagnostic Checking Lead (Updated YB-06444) The diagnostic indicator light flashes the ECU's self-diagnostic code. Consists of **YB-06444** & **YB-06794**	F115 ~ F225
YB-06766	Fuel Pressure Gauge It is used for checking VST fuel pressure.	F115 ~ F225
YB-06869	Test Lead, Intake Manifold Pressure, Oil Pressure The test harness is to be used with a DVA meter to measure output voltage.	F115, F200/225
YB-06792	ECU Output Test Lead It is used with a DVA meter and the Peak Voltage Adapter **YB-39991** to measure voltage output.	F115 ~F225

Part#	Description/Use	Application
YB-06793	 **Throttle Position Sensor Test Lead** It is used with a DVA meter to measure and adjust throttle position sensor voltage. **NOTE:** DVA meter must be able to read 0.40 volts.	**F115 ~ F225**
YB-06861	 **Injector Test Lead** It is used with a DVA meter to measure output voltage.	**F115 ~ F225**
YB-06810	 **Valve Guide Installer** It is to be used with the Valve Guide Remover **YB-06801**. It is used to preset the valve guide depth in cylinder head.	**F200/225**
YB-06320	 **Valve Spring Compressor Adaptor** The adaptor, when used with the Valve Spring Compressor **YM-01253**, compresses the valve for valve cotter removal or installation.	**F200/225**
YB-38831/YB-06871	 **Pulsar Test Lead** It is used with a DVA meter and the Peak Voltage Adapter **YB-39991** to measure voltage output.	**F200/225**
YB-06887	 **Lighting Coil, Rectifier/Regulator Test Lead** It is used with a DVA meter and the Peak Voltage Adapter **YB-39991** to measure voltage output.	**F200/225**

Part#	Description/Use	Application
YB-01611	**Test Propeller** It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	F40-4 ~ F60
YB-06079	**Driveshaft Holder** It is used to hold the driveshaft while installing or removing the pinion gear nut.	F40-4 ~ F60, T50 2000 & Older
YB-34468-5	**Reverse Gear Shim Gauge** It is used to measure the reverse gear shim.	T50
YB-34447	**Gland Nut Wrench** It is designed to ease the removal or installation of the propeller shaft bearing housing gland nut.	F40-4 ~ F/L115
YB-06111	**Propshaft Needle Bearing Attachment** Use it with Driver Handle **YB-06071** to install the propeller shaft bearing housing bearing.	F40-4 ~ F50
YB-06071	**Propeller Shaft Oil Seal Installer** Use it with Driver Handle **YB-06071** to install the propeller shaft bearing housing seals.	F40-4 ~ F50
YB-06063	**Driveshaft Needle Bearing Attachment** Use it with Driver Handle **YB-06071** to remove the driveshaft lower bearing. Use it with Driver Handle **YB-06071** and Depth Plate **YB-34473** to install the driveshaft lower bearing.	F40-4 ~ F/T50, F60

	Part#	Description/Use	Application
	YB-41446	Forward Gear Bearing Installer Use it with Driver Handle **YB-06071** to install the forward gear shims and outer bearing race.	F40-4 ~ F50
	YB-06270-A	Forward Taper Roller Bearing Installer It is designed for proper installation of the forward gear tapered roller bearing.	F40-4 ~ F/T50, F60
	YB-34473	Driveshaft Needle Bearing Depth Stop Use it with Driver Handle **YB-06071** and Drive Shaft Needle Bearing Attachment **YB-06063** to properly set the bearing depth.	F40-4 ~ F/T50, F/T60
	YB-06110	Driveshaft Bearing Installer Use it with Driver Handle **YB-06071** to install the upper drive shaft shims and outer bearing race.	F40-4 ~ F50
	YB-06153	Propshaft Needle Bearing Attachment Use it with Driver Handle **YB-06071** to remove the oil seals and the bearing from the propeller shaft bearing housing.	T50 ~ F100
	YB-06152	Propshaft Needle Bearing Attachment Use it with Driver Handle **YB-06071** to install the propeller shaft bearing housing bearing.	T50
	YB-06269	Propeller Shaft Oil Seal Installer Use it with Driver Handle **YB-06071** to install the propeller shaft bearing housing prop shaft seals.	T50 ~ F100

	Part#	Description/Use	Application
	YB-06276	Forward Gear Bearing Installer Use it with Driver Handle **YB-06071** to install forward gear shims and outer bearing race.	T50
	YB-06155	Driveshaft Bearing Installer Use it with Driver Handle **YB-06071** and Depth Plate **YB-34473** to properly set the lower driveshaft bearing.	T50
	YB-06156	Driveshaft Outer Race Installer Use it with Driver Handle **YB-06071** to install the upper drive shaft shims and outer bearing race.	T50 ~ F100
	YB-06109	Forward Bearing Cup Installer Use it with Driver Handle **YB-06071** to install the reverse gear into bearing housing.	T60
	YB-06155	Driveshaft Bearing Installer/Remover Use it with Driver Handle **YB-06071** and Depth Plate **YB-34473** to properly set the lower driveshaft bearing.	T60 ~ F100
	YB-06276-B	Forward Gear Bearing Cup Installer Use it with Driver Handle **YB-06071** to install forward gear shim and outer bearing race.	T60 ~ F100
	YB-06112	Bearing Housing Bearing Remover Use it with Driver Handle **YB-06071** to install the forward gear inner bushing.	T60

	Part#	Description/Use	Application
	YB-06200	Forward Gear Needle Bearing It is used to properly install the forward gear tapered needle bearing.	T60
	YB-06244	Driveshaft Seal Installer Use it with Driver Handle **YB-06071** to install upper driveshaft seals.	T60
	YB-06049	Driveshaft Holder It is used to hold the driveshaft while removing or installing the pinion gear nut.	F/T50 2001 ~ up
	YB-01624	Test Propeller It correctly loads Yamaha motors for diagnosing engine performance at different RPM's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	F75 ~ F115, Except LF115
	YB-34474	Driveshaft Needle Bearing Depth Stop Use it with Driver Handle **YB-06071** and Needle Bearing Attachment **YB-06155** to properly install the driveshaft lower bearing.	F75 ~ F100
	YB-06151	Driveshaft Holder It is used to hold the driveshaft while removing or installing the pinion gear nut. (**90890-06519**)	F75 ~ F/L115
	YB-06200	Reverse/Forward Gear Bearing Installer It is used to install ball bearing onto reverse gear.	F115

Part#	Description/Use	Application
	YB-06213 Driveshaft Bearing Depth Plate Use it with Driver Handle **YB-06071** and Bearing/Oil Seal Attachment **YB-06194** to properly install lower driveshaft bearing.	**F115**
	YB-34468-2 Reverse Gear Shim Tool It is used to properly measure the reverse gear for shim height.	**F115**
	YB-06199 Forward Gear Outer Race Installer Use it with Driver Handle **YB-06071** to properly install forward gear shim and outer bearing race.	**F115**
	YB-06052 Shift Rod Push Arm It shifts the lower unit into forward, neutral or reverse when the lower unit has been removed from the engine.	**F115 ~F225**
	YB-06378 Forward Gear Bearing Installer Use it with Driver Handle **YB-06071** to properly install forward gear inner bearing.	**LF115**
	YB-06376 Reverse Gear Bearing Remover/Installer Use it with Driver Handle **YB-06071** to remove/install the reverse gear bearing from the retainer.	**LF115**
	YB-06377 Reverse Gear Bearing Retainer/Installer Use it with Driver Handle **YB-06071** to install the reverse gear bearing retainer.	**LF115**

Part#	Description/Use	Application
	YB-06337 Bearing Housing Bearing Installer Use it with Driver Handle **YB-06071** to install the propeller shaft inner bearing.	**LF115**
	YB-34468-2 Forward Gear Shim Tool It is used to determine the correct shims required for the forward gear.	**LF115**
	YB-06430 Rear Propeller Shaft Bearing Installer Use it with Driver Handle **YB-06071** to properly install the propeller shaft bearing housing tapered roller bearing.	**LF115**
	YB-01631 Test Propeller It correctly load Yamaha motors for diagnosing engine performance at different rpm's. It is intended for stationary testing because they do not produce the thrust of a standard propeller.	**LF115**
	YB-06520 Driveshaft Holder It is used to hold the driveshaft while removing or installing the pinion gear nut. Photo not shown.	**F200/225**
	YB-06048 Gland Nut Wrench It removes and installs the lower gland nut. It is designed specifically for Yamaha motors. It is manufactured from high strength alloy steel and heat-treated for strength and durability.	**Counter Rotation F200/225**
	YB-06194 Driveshaft Needle Bearing Installer and Remover It removes and installs the driveshaft needle bearing. Use it with Driver Handle **YB-06071** and Depth Plate **YB-06213**.	**FL/115 ~ F225**

Part#	Description/Use	Application
YB-06195-A	Oil Seal Installer it installs both oil seals properly into the reverse gear bearing housing. Use it with Driver Handle **YB-06071**.	FL/115 ~ F225
YB-06196	Driveshaft Needle Bearing Installer and Remover It removes and installs the needle bearing from the driveshaft and propshaft bearing housing. Use it with Driver Handle **YB-06071**.	FL/115 ~ F225

POWER TRIM & TILT/MIDSECTION TOOLS

YB-06175-2B	Trim / Cylinder Wrench It is used to remove most PTT cylinder end caps.	F40-4 ~ F/L115
YB-06569	Tilt Rod Wrench It is used with the Piston Vise Attachment **YB-06572** to remove the tilt pin eye to service, tilt cylinder end cap. Photo not shown.	1997 & Up, V4, V6 2.6L, VX200/ 225
YB-06572	PTT Piston Vise Tool Use it with Tilt Rod Wrench **YB-06569** to remove the top pin eyelet. It enables tilt cylinder end cap servicability.	F200/225
YB-06548	Tilt Cylinder End Cap Wrench It is used to remove or install the cylinder end cap.	F40 ~ F60, FL/115
YB-06548	TNT Wrench, Showa System It is used to remove or install the PTT cylinder end caps.	F75 ~ F115

Part#	Description/Use	Application
YB-06544	PTT Cylinder End Cap It is used to remove or install the PTT cylinder end caps. Photo not shown.	F75 ~ F100
YB-06776	PTT Pressure Gauge It is used to measure the PTT system pressure.	F115
YB-06548	Tilt Wrench, Showa System It is used to remove or install the PTT cylinder end caps.	F40 ~ F60, F115
YB-06572	PTT Piston Vise Tool Use it with Tilt Rod Wrench **YB-06569** to remove the top pin eyelet. It enables tilt cylinder end cap servicability.	F200/225
YB-06581	PTT Pressure Gauge It is used to measue the PTT system pressure.	F200/225

NOTES

WATERCRAFT

Part#	Description/Use	Application
YM-04019	Valve Spring Compressor It is used to remove valve spring retainers.	RX-1, RX-1ER, FX140, FX Cruiser, SR230
YM-04108 YM-04114	Optional Adapters for YM-04019 Compressor Adapter 20mm Compressor Adapter 19.5mm These are adapters for smaller/larger valve sizes.	
YM-04111 YM-04116	Valve Guide Driver 4mm Valve Guide Driver 4.5mm They are used to remove intake (4mm) and exhaust (4.5mm) valve guides on 5 valve heads.	FX140, FX Cruiser, SR230
YM-04112 YM-04117	Valve Guide Installer 4mm Valve Guide Installer 4.5mm They are used to install intake (4mm) and exhaust (4.5mm) valve guides on 5 valve heads.	FX140, FX Cruiser, SR230
YM-04113 YM-04118	Valve Guide Reamer 4mm Valve Guide Reamer 4.5mm They are used to establish correct valve to guide clearance. Intake (4mm)/Exhaust (4.5mm).	FX140, FX Cruiser, SR230
YM-45469	Valve Keeper Remover & Installer Tool This tool effectively removes the keepers quickly & easily. It works great for changing valve springs without removing the head (must fill cylinders with compressed air).	FX140, FX Cruiser, SR230
YM-34483	Narrow Feeler Gauge Set This set includes 13 blades for use with 5-valve 4-stroke engines. Standard range: .002" - .014".	FX140, FX Cruiser, SR230
YU-01304	Piston Pin Removal Tool It removes 12mm-25mm pins from 40mm-100mm pistons.	Universal
YB-06107	Connecting Rod Small End Bearing Installer	WR/WJ500

	Part#	Description/Use	Application
	YM-04044	Piston Ring Compressor Range: 61-66mm diameter. Can be used on two or four stroke engines to compress the rings for piston installation.	Universal
	YM-08037	Piston Ring Compressor Range: 54-127mm diameter. Alternate to **YM-04044**.	Universal
	YB-06139	Flywheel Holder It holds the flywheel securely in place for nut removal.	WR/WJ500
	YW-06547	Flywheel Holder It bolts to the crankcase and secures the flywheel for bolt removal/installation.	All 760
	YW-06550	Flywheel Holder It bolts to the crankcase and secures the flywheel for bolt removal/installation.	All 760, All 800, All 1200-135 hp All 1200-155 hp
	YW-41528	Flywheel Holder It bolts to the crankcase and secures the flywheel for bolt removal/installation.	All 1100
	YU-01235	Universal Magneto & Rotor Holder	Universal
	YB-06117 YB-06117-8	Universal Heavy Duty Puller Heavy Duty Puller Bolts 8mm	WR/WJ500
	YW-06842	Fuel Pressure Gauge Adapter It attaches between the fuel pump and injector rail when used with fuel pressure gauge.	FX140, SR230

Part#	Description/Use	Application
YW-42087	Carburetor Pop-off Pump It is used to determine pop-off pressure of the needle and seat.	Universal, All Carburated
YU-38407	Oil Temperature Probe	
YW-45959	Oil Extractor It is used for changing oil on four-stroke watercraft (two gallon capacity, hand-pump action, and no electricity needed). Easy to dispose of old oil.	FX140, FX Cruiser, SR230
YW-06365	Coupler Wrench It is used to remove the coupler from the engine or intermediate shaft.	Wave Runner/ Wave Jammer
YW-06546	Coupler Wrench It is used to remove the coupler from the engine or intermediate shaft.	1100 &1200, All 760, All 1200-135 hp
YW-06551	Coupler Wrench It is used to remove the coupler from the engine or intermediate shaft.	All 800, All 1200-155hp, FX140
YW-38741	Coupler Wrench It is used to remove the coupler from the engine or intermediate shaft.	SJ650 & Wave Runner III, All 700
YW-06355	Coupler Shaft Holder It holds the intermediate shaft for coupler removal.	Wave Runner/ Wave Jammer

Part#	Description/Use	Application
YB-06049 **YW-38742**	Impeller Shaft Holder Coupler Shaft Holder They hold the intermediate shaft for coupler or impeller removal.	SJ650 & Wave Runner III, All 700, 760, 800, 1200-135hp
YB-06079-A	Impeller Shaft Holder It holds the drive shaft for impeller removal.	Wave Runner/ Wave Jammer III
YB-06151	Impeller Shaft Holder It holds the drive shaft for impeller removal.	FX140, XRT1200, All 1200-155hp
YB-06552	Coupler Shaft Holder It holds the intermediate shaft for coupler removal.	All 800, All 1200, FX140, FX140 Cruiser
YW-41212	Steering Cable Locknut Remover	WRA650
YW-06356	Bearing & Seal Installer	Wave Runner/ Wave Jammer
YW-06364	Center Drive Shaft Bearing Remover	Wave Runner/ Wave Jammer

Part#	Description/Use	Application
YW-06777	Peak Volt Test Lead	All 1100, All 1200-135hp
YW-06778	Peak Volt Test Lead	All 1100, All 1200-135hp
YW-06779	Peak Volt Test Lead	All 760, All 800
YW-06780	Peak Volt Test Lead	All 1200-155hp
YW-06862	ECM Power Coupler It is used to supply power to the ECM for diagnostic testing. When using this tool, the ECM is powered, but the fuel pump is not.	FX140, SR230
YB-06792	ECM Test Harness It is used to measure the ECM supply and output voltage.	FX140, SR230
YB-06791	Pulse Coil Test Harness It is used to measure the pulse coil peak voltage output.	
YB-06770	Lighting Coil Test Harness It is used to measure the lighting coil peak voltage output.	
YB-06790	Regulator/Rectifier Test Harness It is used to measure regulator voltage.	
YB-06585	Dial Gauge Stand Set It is used to determine crankshaft top dead center for cam timing or valve adjustement.	
YB-01426	Oil Filter Wrench	
YB-04115	Cam Wrench It is used to make minor engine rotations for cam timing or valve adjustment.	

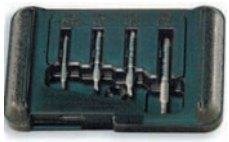
SHOP EQUIPMENT

Part#	Description/Use	Application
	YB-35956-A Lower Unit Pressure / VacuumTester The hand pump device provides both pressure and vacuum for leak testing of the lower unit.	**All**
	YB-06117 Universal Puller Heavy duty puller for removing flywheels, balancers and propeller shaft bearing housings.	**All**
	YB-06219 **YB-22912-1** Bearing Splitter Plates Using these special splitter plates can solve many difficult bearing pulling problems, especially where access to the inner race is limited. “Knife-like” edges may be forced behind the bearing for a firm grip.	**Large** **Up to 4-1/4”**
	YU-35557 Bearing Splitter Plates Using these special splitter plates can solve many difficult bearing pulling problems, especially where access to the inner race is limited. “Knife-like” edges may be forced behind the bearing for a firm grip.	**Small** **Up to 2-1/4”**
	YM-08037 Piston Ring Compressor Allows you to compress the rings while installing piston. 54 - 127mm diameter.	**All**
	YB-06096 Slide Hammer Contains most necessary attachments to remove seals, bearings and bearing cups.	**All**
	YB-06523 Bearing Puller Legs Used with Slide Hammer **YB-06096** to be used for removing bearing cups and seals.	**All**

Part#	Description/Use	Application
YU-01235	Universal Magnet & Rotor Holder Used to loosen and tighten flywheel nuts.	All
YB-06334	Bearing Puller Legs Has a wide grip area. Use with Slide Hammer **YB-06096.**	All Engines
YU-33277-B	Panasonic Timing Light This timing light has a bright strobe for outdoor use.	All Engines
YE-62001-B	K&L Four Gas Analyzer Used to check emissions output from the engine.	4-Strokes
YE-62001-C	Bridge Two Gas Analyzer Used to check emissions output from the engine.	4-Strokes
YE-62001-D	Bridge Four Gas Analyzer Used to check emissions output from the engine.	
YU-01256	Spark Plug Hole Stand Used to set engine on TDC so that the timing position can be adjusted properly.	All

Part#	Description/Use	Application
	YU-44456 Vacuum Mate Carb Sync Gauge A new tool for performing synchronization of carbs and throttle plates.	4-Strokes
	YU-44456-10 Carb Sync Tool 6 Cylinder Adapter Used with **YU-44456.** Vacuum Mate carb sync gauge allows the vacuum points of all 6 cylinders to be hooked up. Also requires 2 point taps **YU-44456-6.**	F200/225
	YU-44456-5 5mm Port Taps, Vacuum Mate **YU-44456-6** 6mm Port Taps, Vacuum Mate Replacement taps for Vacuum Mate carb sync gauge **YU-44456.** Also requires two **YU-44456-10.**	4-Strokes
	YU-A5400 Digital Vernier Calipers LCD display makes for easy reading. Gives exact measurements to .0005" (.01mm) and features Zero-set at any point to make measurement of tolerances easier. Reads in inches or millimeters and will convert. Includes a fitted case and battery.	All
	YU-03005 Vernier Calipers, 0-200mm For inside, outside and depth measurements. Read directly from highly accurate scale (not from a dial). Includes storage pouch.	All
	YU-03006 Micrometer 0 - 25mm **YU-03007** Micrometer 25 - 50mm **YU-03008** Micrometer 50 - 75mm **YU-03009** Micrometer 75 - 100mm	All
	YU-03016 Cylinder Bore Gauge 18 - 35mm **YU-03017** Cylinder Bore Gauge 35 - 80mm Cylinder bore gauges come complete with handle, dial indicator and set of contact extensions in a handsome wooden box.	All

Part#	Description/Use	Application
	YU-34481 Magnetic Flex Stand Used to accomadate backlash measurements and runout.	All
	YU-05000-B Snap Ring Pliers This set is used for internal and external snap rings with an effective range of 10-50mm.	All
	Time-Sert Thread Repair Time-serts are a solid bushing insert. This guarantees easy installation and allows for full load use of a tapped hole, ensuring protection against stress and vibration. Time-serts are thin-walled due to synchronized internal/external threads. A thin cross sectional area allows for installation in areas of limited space and clearance material. Time-serts are self-locking. On installation, the bottom internal threads of the insert are cold rolled to expand the mating external threads into the base material locking the insert in place.	All
	YU-08001 Kit 14 x 1.25 (do not contain inserts) **YU-08001-1** Replacement Serts 11mm Long 5pk. **YU-08001-2** Replacement Serts 13.5mm Long 5pk. **YU-08002** Kit 12 x 1.25 (do not contain inserts) **YU-08002-1** Replacement Serts 15mm Long 5pk. **YU-08002-2** Replacement Serts 9mm long 5pk. **YU-08003** Kit 10 x 1.25 (kit contains 5 inserts 16.2mm long) **YU-08003-1** Replacement Serts 14mm long 10pk. **YU-08003-2** Replacement Serts 16.2mm long 10pk. **YU-08004** Kit 8 x 1.25 (kit contains 5 inserts 11.7mm long) **YU-08004-1** Replacement Serts 11.7mm long 10pk. **YU-08004-2** Replacement Serts 16.2mm long 10pk. **YU-08005** Kit 6 x 1.0 (kit contains 5 inserts 9.4mm long) **YU-08005-1** Replacement Serts 9.4mm long 10pk. **YU-08005-2** Replacement Serts 12mm long 10pk. **YU-08006** Kit 5 x 0.8 (kit contains 5 inserts 7.6mm long) **YU-08006-1** Replacement Serts 7.6mm long 10pk. **YU-08006-2** Replacement Serts 10mm long 10pk.	

	Part#	Description/Use	Application
	YU-A0490	Alden Drill Out Power Extractor Set: 3/4/5/6/8/10/12mm Tough enough to extract grade 8 and 10.9 class stainless steel bolts, Alden drill-outs feature a "self-centering" tip to eliminate wandering, even on rough surfaces. Drill-out's exclusive two piece design makes removing broken bolts a fast and simple one step procedure.	All
	YU-A0480	Alden Drill Out Power Extractor Set: 6/8/10/12mm	All
	YU-A0485	Alden Micro Drill Out Set: 3/4/5/6mm As effective and fast as the standard size drill-out but with the drill on one side and the extractor on the other side for smaller bolts.	All
	YU-A3353	Metric Thread Restorer File Eight different pitches: 0.75mm, 1.00mm, 1.25mm, 1.50mm, 1.75mm, 2.00mm, 2.50mm, & 3.00mm.	All
	YU-A4015	Small Tapered Reamer It reams holes from 1/8" to 1/2" in diameter.	All
	YU-A4023	Large Tapered Reamer It reams holes from 7/16" to 1" in diameter.	All
	YU-33211	Antiseize Saves hardware from corrosion (8 oz. brush top bottle).	All

Part#	Description/Use	Application
YU-A9268	Bearing Race & Seal Driver Six discs fit most bearing sizes. To install (drive) seals, turn discs over. It eliminates damage to bearing races. The seven piece kit includes a driver handle and the following disc sizes: 40, 45, 50, 59, 63, and 65mm.	All
YU-A5399 YU-A9410	Oil Seal Puller with two tips Oil Seal Puller with adjustable stem Universal seal pullers aid the removal in certain applications.	All
YE-A9602	Wire and Terminal Center The Wire & Terminal Center from K&L Supply has been designed with today's busy service department in mind. All commonly used electrical connectors and tools can now be kept in one mobile work station, allowing your technician to take what is needed to complete a job in one trip. This fixture rolls on locking casters and will accept rolls of wire or hose from four to ten inches in diameter with the standard spindles. One side of the unit holds 20 plastic parts bins, the other side utilizes pegboard (included) for tool storage. • 4" swivel casters • Plastic parts boxes for storage • Handles 4" and 10" wire spools. Dimensions: 36" width x 60" height. Wires and terminals not included.	All
YU-26900-8	Feeler Gauge (Standard & Metric) 26 tapered blades from .0015" thru .025".	All
YU-26900-9	Feeler Gauge-Metric 25 blades from 0.04mm thru 1.0mm.	All

Part#	Description/Use	Application
	YU-33223 Compression Gauge Includes 12" hose, spark plug hole adapter pressure gauge and air release quick coupler. It works on all Yamaha 2-stroke outboard motors.	2-Stroke
	YU-33261-B Coil Tester Features adjustable spark gap. Allows bench testing of all Yamaha ignition coils.	All
	YU-34353 Alcohol Detection Kit If an excessive amount of alcohol in the fuel is suspected, this kit will measure the percentage of alcohol in the fuel in a few minutes. Includes five liquid transfer pipettes in a plastic storage case with complete instructions. Additional transfer pipettes are available by ordering **YU-34353-5** (pkg. of 5).	All
	YU-39951-B Digital Tachometer A hand held digital tachometer for monitoring 2-stoke engines (one through four cylinders) and 4-stroke engines (one through six and eight cylinders). Just bring the tachometer near to engine and it will digitally show how fast the engine is running by counting electric pulses from spark plug/spark plug cable, and give instantaneous rpm readings.	All
	YU-43700 Accuracy Battery Tester Accurately tests 6 or 12 volt batteries discharged down to as low as 1 volt. No time consuming recharging required. Tests without need to disconnect cables from battery terminals. Automatically performs two resistive load tests and measures rate and time of recovery to determine battery condition and percent of charge. Microprocessor controlled testing is completed in less than 2 minutes. More accurate than heavy, cumbersome fixed load carbon pile testers because data interpretation is eliminated. 3-year warranty, weighs only 2 lbs. Easy to carry, simple to use, fast results. Self powered with 9-volt battery. Includes molded carrying case and instructions. Photo not shown.	All

Part#	Description/Use	Application

YU-08036-C #321 Digital Engine Test Tachometer — **All**

Includes inductive 10' inductive clip and hanger handle.
SIZE: Approximately 3.375" wide x 4.625" high x 1.250" deep
POWER: (4) AAA 1.5 batteries.

REPLACEMENT PARTS & OPTIONAL ACCESSORIES

YU-08036-C1 Inductive Clip-10 '
YU-08036-C2 Inductive Clip-20 '
YU-08036-C3 Capacitive Clip-2 '
YU-08036-C4 Vinyl Storage Case

YE-57000 K&L WC250 Runabout (Complete Unit) — **WC**
YE-57001 Watercraft Cart only
YE-57002 Watercraft Hoist Arm
YE-55102 Replacement Winch Cable only
YE-55101 Winch & Cable

K&L WC250 Runabout combines the features of a workstation and dolly in one upgradeable unit. The base of the WC250 system is the cart, which can be converted to an engine hoist by adding the boom and manual winch package. With this option installed, your technician can lift up to 700 lbs. without assistance. The WC250 can remove a three cylinder engine without difficulty, and will handle boats up to 60 inches wide on its Teflon coated bunks. Two fixed and two swivel-type casters with zerk fittings make transporting a customer's boat to your service department simple and secure. The base model Runabout can serve as a display fixture as well, with a blue powdercoat finish that looks good in any showroom. The WC250 offers you a new way to handle the traditional problems of boat transport and service in one easy to use system.

YE-23400 20-Ton Hydraulic Press — **All**

- All Welded Steel Construction
- Reinforced Head Plates
- 20-ton Power Unit Included
- Made in the U.S.A.

Part#	Description/Use	Application
YE-23000	Sand Blast Cabinet Side door opening. Thick 18 gauge steel wall construction with steel legs. Cabinet is 37″ wide x 25″ diameter x 59″ height. 24″diameter x 24″ height working area. Window measures 7″ x 18″. Uses 110V power. Trigger gun assembly, 14CFM @ 90-100psi. Dust collector-DC1500. Made in USA. Shipping weight 175 lbs. Note: Foot pedal sold as an option.	**All**

Optional Accessories

YE-23001	Foot Control Pedal - Includes hose, 2 barbs, 2 clamps, valve and pedal.
YE-23002	Aluminum Oxide - Fast cutting, hard-13 lbs.
YE-23003	Glass Beads - Light, dust free-10 lbs.
YE-23004	Glass Bead Media - 100/170 grit-50 lbs.
YE-23005	Walnut Shells Media - 20/30 grit-50 lbs.
YE-23006	3 Piece Ceramic Nozzle Kit: 3/64″, includes 1 air jet, 1 air jet washer and 1 allen wrench.
YE-23007	3 Piece Steel Nozzle Kit: 1/4″, includes 1 air jet, 1 air jet washer and 1 allen wrench.
YE-23008	Recoil Air Hose, 12′ length, yellow
YE-23009	Recoil Air Hose 25′ length, yellow with swivels
YE-23010	Air Line Filter

YE-23100	Tear-Down Table with Drawer Use as a combination workbench, tear-down tableand tool storage facility. Table is adjustable from a height of 37″ to 41″ and comes with heavy duty 4″ casters (2 rigid & 2 locking swivel). Table top drains into catch pan located below table top. Shipping weight: 170 lbs.	**All**

YE-23050	Hose Reel (size: 23′ x 5/16″)	**All**
YE-23051	Hose Reel (size: 46′ x 3/8″) These 300 degree swivel hose reels are great for keeping shop floors neat and lowers the risk of accidents. Can be locked into position. Has adjustable spring tension. Hoses are unkinkable and highly flexible. Reusable hose and fitting. Sold each.	

Part#	Description/Use	Application
	YE-23405 Steel "V" Block Set For precision measuring and straightening operations. Made from cold rolled steel. (not cast) V blocks measure approx. 1-1/4" x 1-3/4" x 5". Sold in pairs	All
	YU-22888 2 Jaw Puller **YU-25031** 3 Jaw Puller Universal bearing and pulley pullers.	All
	YU-25287 Long 2 Jaw Puller	All
	VALVE GUIDE FLEX-HONES (320 GRIT) Flexable hones for use to clean out valve guides. **YM-A9243** 4.0mm **YM-A9245** 5.0mm **YM-A9244** 5.5mm **YM-A9246** 6.0mm **YM-A9247** 7.0mm **YM-A9248** 8.0mm **YU-88000** Flex Hone Oil 1/2 Pint	All
	CARBIDE CUTTERS Carbide cutters are all 1/4" shank, 4" long, with standard spiral cut for most general purposes. **YE-22305 (A)** Flame **YE-22306 (B)** Cyl. Ball Nose **YE-22307 (C)** Large Egg **YE-22308 (D)** Round Tree **YE-22309 (E)** Small Egg **YE-22310 (F)** Ball	All

Part#	Description/Use	Application
	YE-23011 4″ Nozzle Blowgun **YE-23012** 20″ Nozzle Blowgun **YE-23013** 3 pc. Rubber Tip Kit Use with shop air supply.	**All**
YU-35759-A	Neway PU1800 Power Unit The PU1800 Power Unit rolls along a bench-mounted track to quickly position over the valve seat. No time is lost leveling or locking down the head. The power unit's double universal joint transmission easily adjusts to any cylinder head shape. The PU1800 Power Unit includes a motor, transmission, trolley & track, and a foot switch. Note: Head stands not included.	**4-Strokes**
YM-A9376	Neway Cylinder Head Stand Used to hold cylinder heads while reconditioning valve seats and guides. Sold in pairs. Pictured with **YU-35759-A** Photo not shown.	**4-Strokes**
YM-A9370	Neway Easy-Turn Wrench The Easy-Turn Wrench helps you get more out of your Neway Valve Seat Cutters. This handy accessory enables you to keep the cutter turning continuously so the seats are finished faster. Comfortable to use, the Easy-Turn Wrench allows you to feel the amount of material being removed.	**4-Strokes**
YE-23450	Adjustable Cylinder Head Stand The Adjustable Cylinder Head Stand can be used to rotate the head 360 degrees. Stays in any position using a simple locking mechanism. Shipping weight: 14 lbs. Adjustable Length-10 1/2″ to 20 1/2″ long x 14″ width x 10 3/4″ high.	**4-Strokes**
YE-23460	Cylinder Head Stands Cylinder head stands make the cylinder head easier to work on. Sturdy stands will hold head safely and securely. The stand is rigid on even surfaces. Tapered pins fit any size cylinder head bolt hole. Sold in pairs.	**4-Strokes**

Part#	Description/Use	Application
	YM-A8998 Valve Lapping Tool The Valve Lapping Tool is the ultimate vacuum stick for insuring perfect surfaces on valves and valve seats. Interchangeable cups make the unit suitable for use with virtually any size valve. The set includes vacuum stick and 3/4" and 1/4" diameter rubber cups.	4-Strokes
	YU-A9374 Neway Cutting Fluid One Pint Spray Bottle **YU-A9375** Neway Cutting Fluid One Gallon Bottle Must be used when reconditioning valve seats.	4-Strokes
	YM-A0309 Clover Valve Lapping Compound The world famous green can with the four leaf clover. This compound kit is for seating valves, mating gears, and sharpening. It is sold as a kit with coarse 120 grit (roughing) and 280 fine grit (finishing).	4-Strokes
	YW-45959 Oil Extractor Used for changing oil on four-stroke watercraft. Two gallon capacity. Hand-pump action, and no electricity needed. Easy to dispose of old oil.	4-Strokes
	YU-A8421 Dial Indicator Gauge with Magnetic Base Stand **YU-A8428** 2-1/4" Dial Indicator Gauge only, 0" - 2-1/4" range in .001" increments **YU-26900-12** Metric Dial Indicator **YU-A8438** Magnetic Base Stand only **YU-34481** Flexible Magnetic Dial Indicator Stand	All

Part#	Description/Use	Application
YE-43937	Optimate III Battery Charger The battery charger automatically tests flat batteries for sulfated condition and, if necessary, applies a special high voltage (max 22 volts) recovery action. It features a five stage charging program with constant current, recharges batteries discharged to as low as +/-2v even after a year of neglect, and an interactive charging program reverts to bulk charge stage. In addition, it has an unique 30 minute timer-controlled charge verification stage and an unique 30 minute timer-controlled check for self-discharge tendency. There is a comp-rehensive selection of accessories for every need. Lastly, it has a complete automatic protection against every user error.	All
YE-63070	Christie Shop Battery Charger This battery charger is specifically designed for personal watercraft and motorcycle batteries. This Shop unit charges 6 volt and 12 volt batteries with a maximum output of 10 amps. Enough leads are included to charge up to 10 batteries at once. All 10 charging circuits are individually fuse protected to prevent damage. AC input is 115v/60Hz.	All
YE-63071	Replacement Cables with Clamps (Sold in pk/ 5)	
YE-63072	Receptacle Repair Kit (includes: 5 receptacle plugs [molex connectors] and 10 female pins for repair of receptacle)	
YE-43934	Battery Mate Charger This battery charger is a combination load tester and powerful constant current charger with automatic desulfating action. It features six load test choices, 15A to 150 Amps, for all batteries from 2.5Ah to 45Ah, and six constant current settings from 1A to 9A for correct, most time-effective charging. An optional wall mount is also available to save bench space.	All
YE-43935	Optional Wall Mount Bracket	

Part#	Description/Use	Application
YU-45826	Optimate PRO 8 Dealers can recover, charge and test up to eight batteries simultaneously with the Optimate PRO 8. The unit is intended for all types of 12 Volt batteries, including lead-acid, sealed and gel cell batteries. Battery status monitors are included at all eight stations, with a special automatic recovery mode for batteries as deeply-discharged as two volts. The PRO 8 also has automatic protection against short-circuits and reverse-polarity connections. Batteries are charged at 1.2 Amp constant-current charge, with a float charge when complete to keep the batteries at full capacity. An optional wall mount is also available to save bench space.	All
YE-43935	Optional Wall Mount Bracket	
YU-03036	Battery Hydrometer Used to check the battery specific gravity.	All
YU-A1927	Fluke Model 88 Multimeter with Tachometer This multimeter's features include volt, ohm, amp, continuity and diode tests, rpm measurements with the provided inductive pickup, minimum/maximum/average recording of measurements, frequency and duty cycle measurements, low-ohms function, millisecond pulse width measurements, and smoothing (shows an averaged reading of measurements which fluctuate such as rpm). Included accessories: holster, inductive pickup, hard carrying case, test leads, test probes, large alligator clips, users manual and quick reference guide.	All
YU-03112-C	Analog Multimeter 18 meter ranges performs these tests: D.C.V .0 - 5, 25, 125, 500V (20,000 Ohms/Y), A.C.V .0 - 10, 50, 250, 1,000V, D.C.A . 0 - 50A, 0- 250MA, 2.5A, Resistance: 0-2K-20K-2Meg (center scale 24), Continuity: Test Electric Buzzer (1.5ohms) Includes: All test leads.	All

Part#	Description/Use	Application
YU-A1093	T-Handle Socket Kit Includes: 8/10/12/13/14/17 and 19mm. T-Handle features include chrome vanadium tool steel deep six point sockets with a carbon steel T-style handle. It is finished in nickel-pewter. The deep sockets allow for nuts to be driven over long threaded bolts. Individual Note: Individual T-Handle sizes available, sold each.	**All**

YU-A1067	8mm
YU-A1068	10mm
YU-A1069	12mm
YU-A1072	13mm
YU-A1073	14mm
YU-A1074	17mm
YU-A1087	19mm
YU-A1104	T-Handle Rack (10 slots)

YU-05021	T-Handle Screwdriver Medium	**All**
YU-05023	T-Handle Screwdriver Large (Regular)	
YU-05024	T-Handle Screwdriver Medium (Regular)	
YU-05025	T-Handle Screwdriver Small (Regular) Photos not shown.	

YU-A0558	Hex T-Handle Set Includes: 2/2.5/3/4/5/6/8 and 10mm This eight piece set is in graduated lengths from 2-10mm. Plastic coated, tapered, cushion grip handles make for easy and comfortable use.	**All**
YU-A0559	2mm Handle sold each	
YU-A0560	2.5mm Handle sold each	
YU-A0561	3mm Handle sold each	
YU-A0562	4mm Handle sold each	
YU-A0563	5mm Handle sold each	
YU-A0564	6mm Handle sold each	
YU-A0565	8mm Handle sold each	
YU-A0566	10mm Handle sold each	

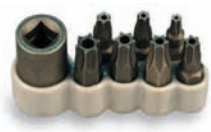
Part#	Description/Use	Application

YU-A0567 Metric Ball Hex Key Set — **All**

Nine sizes: 1.5, 2, 2.5, 3, 4, 5, 6, 8, and 10mm with plastic holder. Keys are designed with a ball profile on the long arm. This feature provides 360˚ of rotation at up to a 30˚ angle.

YU-A0568 Torx Key Set — **All**

This eight piece set consists of: T9/T10/T15/T20/T25/T27/T30 & T40, high quality, black coated "L" wrenches with torx on both ends.



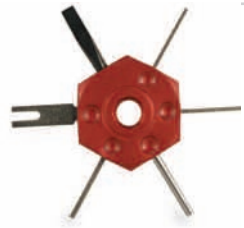
YU-25359-A Eight Piece Torx Bit Set — **All**

This set is used for the removal and installation of a tamper-resistant torx fastener.

YE-31000 Electrical Connector Pin Removal Set — **All**

Four Piece Pin Set includes the following: 07JA2-002010A, 07JA2-002040A, 07JA2-002060A, 07JA2002070A, precision pin tools for terminal repair on harness connectors. It safely removes pins without damaging wires.

YE-31001 Pin Tool A 07JA2-002010A sold each
YE-31002 Pin Tool B 07JA2-002040A sold each
YE-31003 Pin Tool F 07JA2-002060A sold each
YE-31004 Pin Tool G 07JA2-002070A sold each



YE-32210 Terminal Removal Tool — **All**

This tool is designed to remove wires from terminals without damaging the end prongs. Includes six different shaped blades.

Part#	Description/Use	Application

YE-A8535 25' Automatic Hose Reel — **All**

Hose withdraws freely from reel and retrieves quickly and positively. Ratchet holds hose at any desired length until released. Easily installed on ceiling, wall or floor in any central position.

YE-A8348 Portable Sand Blast Cabinet — **All**

Thick wall plastic construction. Cabinet is 30"wide x 20" diameter x 26" height. Window measures 24" x 14". Uses 110V power. Trigger gun assembly, 5CFM @ 80-90psi. Dust collector-5 gallon dust vac. Made in U.S.A. Shipping weight 38 lbs.

Optional Accessories — **All**

YE-23001	Foot Control Pedal - Includes hose, 2 barbs, 2 clamps, valve and pedal
YE-23002	Aluminum Oxide - Fast cutting, hard-13 lbs.
YE-23003	Glass Beads - Light, dust free-10 lbs.
YE-23004	Glass Bead Media - 100/170 grit-50 lbs.
YE-23005	Walnut Shells Media - 20/30 grit-50 lbs.
YE-23006	3 Piece Ceramic Nozzle Kit: 3/64", includes 1 air jet, 1 air jet washer and 1 allen wrench
YE-23007	3 Piece Steel Nozzle Kit: 1/4", includes 1 air jet, 1 air jet washer and 1 allen wrench
YE-23008	Recoil Air Hose, 12' length, yellow
YE-23009	Recoil Air Hose 25' length, yellow with swivels
YE-23010	Air Line Filter

YE-A4327 Ultra Sonic Parts Cleaner with Heater — **All**

Hands-free cleaning- saves time & money.
Safe for the environment, use with a non toxic, water based cleaning solution. Meets all regulator compliance controls. Effectively cleans hard to reach areas, blind holes. Unit includes cover, 60 minute timer, 1 quart UL Super Concentrate Solvent, drain and hose. Power: 110V, 1.2 amp. Made in U.S.A.
Overall dimensions:
10.5" length x 7.5" width x 10"depth.
Tank dimensions, inside diameter 6" length x 9" width. Tank Capacity: 1 qt. Use this for single and twin carbs, fuel injectors and other small components.

YE-A9124 Optional Basket for YE-A4327

Part#	Description/Use	Application
	YE-A9149 Ultra Sonic Cleaning Solution One quart container. Makes 10-16 gallons of environmentally safe, biodegradable, multi-purpose cleaning solution. **YE-A9194** Ultra Sonic Cleaning Solution One gallon container. Makes 41 gallons of environmentally safe, biodegradable, multi-purpose cleaning solution.	All
	YE-A9816 Manual Bearing Packer Packs 50 to 60 bearings without refilling. Use it on all cage-type roller or ball bearings up to 2" bore. No air line or grease gun required. Use it to flush out old grease with new.	All
	YE-A9806 Universal Bearing Packer A fast simple way of applying grease to bearings. Just place bearing between plastic cones, tighten and apply grease through fitting on end of threaded shaft. Forces out old grease and evenly injects fresh grease.	All
	YE-A9042 Fluid Evacuator The Fluid Evacuator is a portable, hand operated transfer system with a 6.5 liter (1.7 gallon) capacity. The reservoir is made of polyethene and can safely hold oil, coolant, and brake fluid.	All
	YE-A4777 Deluxe Barrel Pump • Adjusts to quarts or liters per single stroke • No drip recovery • Eliminates messy oil drums • Includes Telescoping suction tube • Smooth, easy pump action • For oils, fuels and non-corrosive solvents	All

Part#	Description/Use	Application
YE-A8362	Drum Funnel, Yellow (top of photo) Eliminate overspills while pouring. Large surface area permits drainage of multiple containers simultaneously. Highly durable, it will resist rust, dents and other chemicals and give many years of troublefree service. Fits all types of 55 gallon drums.	All
YE-A8366	Spill Pan, Black (bottom of photo) 8" height x 32-1/2" diameter Spill Pan is constructed of heavy-duty polyethylene that will resist rust, dents and fluids or chemicals. Catches small drips, leaks or spills that could make your work area unsafe or hazardous. The Spill Pan is octaganol in shape and will hold 5 gallons of spilled liquid.	All
YU-A8840	K&L Deluxe Shop Apron Made of quality blue cloth with K&L logo imprinted in yellow on front. Storage pockets included.	All
YE-A3919 YE-A3920 YE-A3921 YE-A3968	Oil Filler Can, 1 liter Oil Filler Can, 2 liter Oil Filler Can, 5 liter Replacement Oil Filler Can Spout. Spout only, no cap. Fits the above Oil Filler Cans.	All
YU-A4061 YU-A4062	Ratio Rite Measuring Cup Lid for Ratio Rite Measures in ounces and cc's. Use for filling forks, shocks, engine oil, etc. Also has mixing ratio scale for accurate oil/gas premix. Sold each. Note: Lid is an add-on, not included with Ratio Rite.	All
YU-A3917 YU-A3918	Plastic Graduated Cylinder 500cc Plastic Graduated Cylinder 250cc	All

Part#	Description/Use	Application

CYLINDER FLEX-HONE

All

For fast and efficient deglazing and final finish honing of cylinder walls. Globules of silicone carbide laminated to the ends of high density bristles provide a consistent cross-hatch pattern for oil retention and instant ring seating. Available in the following grit and sizes:

180 GRIT SIZE (Recommend for chrome rings)		240 GRIT SIZE (Recommend for moly rings)	
YU-A9131	36 ~ 38mm I.D	**YU-A9231**	36 ~ 38mm I.D.
YU-A9132	39 ~ 45mm I.D	**YU-A9232**	39 ~ 45mm I.D.
YU-A9133	46 ~ 51mm I.D	**YU-A9233**	46 ~ 51mm I.D.
YU-A9136	52 ~ 57mm I.D	**YU-A9234**	52 ~ 57mm I.D.
YU-A9145	58 ~ 64mm I.D	**YU-A9235**	58 ~ 64mm I.D.
YU-A9138	65 ~ 70mm I.D	**YU-A9236**	65 ~ 70mm I.D.
YU-A9140	71 ~ 76mm I.D	**YU-A9237**	71 ~ 76mm I.D.
YU-A9141	77 ~ 83mm I.D	**YU-A9238**	77 ~ 83mm I.D.
YU-A9142	84 ~ 89mm I.D	**YU-A9239**	84 ~ 89mm I.D.
YU-A9229	90 ~ 95mm I.D	**YU-A9240**	90 ~ 95mm I.D.
YU-A9230	96 ~ 105mm I.D	**YU-A9241**	96 ~ 105mm I.D.

YU-A9156 Multi Deburring Tool

All

Comes with five blades that are stored in the lightweight plastic handle. The blades are easily changed by depressing the locking button. Also useful for chamfering of small holes in metal.

YU-A6375 10mm T-Handle Spark Plug Wrench
YU-A6411 12mm T-Handle Spark Plug Wrench
YU-A6410 14mm T-Handle Spark Plug Wrench

All

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Yamaha Tool and Equipment Program
Attn: Returns Dept.
1040 Richard Ave.
Santa Clara, CA 95050

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